

Abstract

[0021] A scissor jack assembly with double-lead Acme threaded screw. Through use of urethane or similar material as a braking means, the jack assembly is operable with a self locking action over a wider range of loads and especially at lower loads where an Acme loading phenomenon that results in said self locking action has previously been unattainable. Faster and smoother jack operation is made possible by employing a thrust bearing, including a plurality of roller or ball bearings, with the jack assembly. A spacing washer is also provided to retain the threaded shaft within the trunnions of the jack assembly, in order that the ends of each of the trunnions need not be machined or stamped to retain the trunnions within the jack assembly. Utilizing such a spacing washer decreases the costs involved with manufacturing the jack assembly, while increasing the ability to repair the jack assembly.